Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/28/2018 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125637	0	1.67	125503	1.64
Blue	F	SSC	125000	124162	-1	3.31	124463	3.16
Blue	E	FITC	23615	22723	-4	2.67	1014	10.66
Blue	D	PE	26739	26394	-2	2.19	947	10.15
Blue	B	PerCP-Cy5-5	48339	47362	-3	3.71	1364	17.47
Blue	A	PE-Cy7	45021	44519	-2	5.34	691	36.78
Red	C	APC	53064	52162	-2	2.75	2993	9.43
Red	A	APC-Cy7	57175	56071	-2	2.70	1175	11.19
Violet	B	V450	14728	14307	-3	4.28	685	9.36
Violet	A	V500	58621	57166	-3	4.13	2528	6.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19899	2.50	612	-2	N/A	N/A	Pass
Blue	F	SSC	61625	1.58	555	9	N/A	N/A	Pass
Blue	E	FITC	113	38.83	547	-1	0.0189	78	Pass
Blue	D	PE	206	30.04	539	3	0.1501	241	Pass
Blue	B	PerCP-Cy5-5	214	46.30	638	3	0.0094	95	Pass
Blue	A	PE-Cy7	74	126.69	696	3	0.0111	19	Pass
Red	C	APC	343	28.24	598	1	0.0206	93	Pass
Red	A	APC-Cy7	129	40.07	581	1	0.0055	1582	Pass
Violet	B	V450	82	43.10	464	-6	0.0422	1777	Pass
Violet	A	V500	182	24.19	490	-7	0.0136	586	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.63	-31.15	0.96
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.13	14.40 - 21.60	N/A	N/A	30.83	31.31	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 14086

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments